SPRINT-1

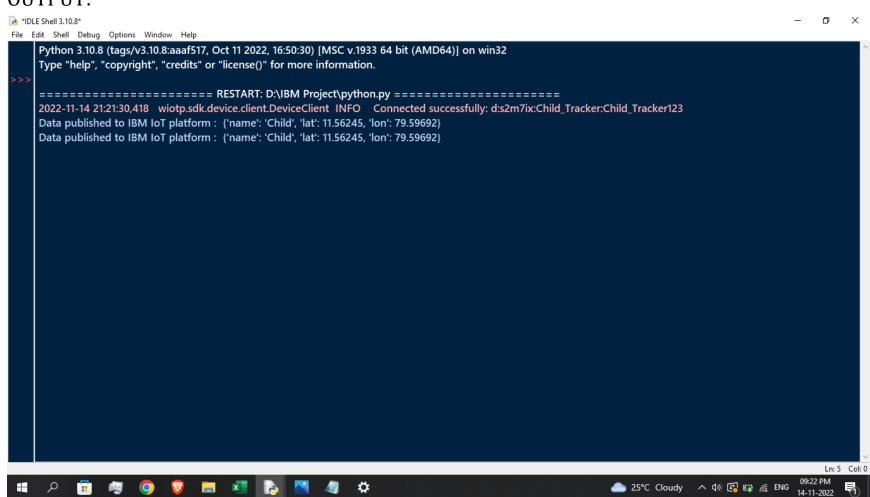
Team ID	PNT2022TMID38800
Project Name	IoT Based Safety Gadget for Child Safety Monitoring & Notification

Python Program to send the data to IBM cloud:

```
import json
import collections.abc
import wiotp.sdk.device
import time
myConfig = {
 "identity" : {
    "orgId":"s2m7ix",
    "typeId": "Child_Tracker",
    "deviceId": "Child_Tracker123"},
 "auth":{
    "token": "Child_Tracker123"
    }
}
client = wiotp.sdk.device.DeviceClient(config=myConfig ,logHandlers=None)
client.connect()
while True:
 name = "Child"
 #child is in park
 latitude = 11.56245
 longitude = 79.59692
 #child is outside 11.560738230656101, 79.59760827051736
  #latitude = 11.560738
  #longitude = 79.597608
 myData = {'name':name,'lat' :latitude, 'lon':longitude}
client.publishEvent(eventId="status",msgFormat="json",data=myData,qos=0,onPublish=None)
 print("Data published to IBM IoT platform : ",myData)
 time.sleep(20)
client.disconnect()
```

```
- 0 ×
python.py - D:\IBM Project\python.py (3.10.8)
File Edit Format Run Options Window Help import json
 import json
import collections.abc
 import wiotp.sdk.device
 import time
myConfig = {
   "identity" : {
     "orgId" :"s2m7ix",
"typeId" : "Child_Tracker",
"deviceId" : "Child_Tracker123"},
     "token": "Child_Tracker123"
client = wiotp.sdk.device.DeviceClient(config=myConfig,logHandlers=None)
client.connect()
 while True:
  name = "Child"
   latitude = 11.56245
   longitude = 79.59692
   myData = {'name':name,'lat' :latitude, 'lon':longitude}
   client.publish Event (event Id = "status", msgFormat = "json", data = myData, qos = 0, onPublish = {\color{red}None})
   print("Data published to IBM IoT platform : ",myData)
   time.sleep(20)
client.disconnect()
                                                                                                                                 # A 💼 🥦 🧿 😵 🕞
```

OUTPUT:



2. Connecting the device with Watson Platform:

